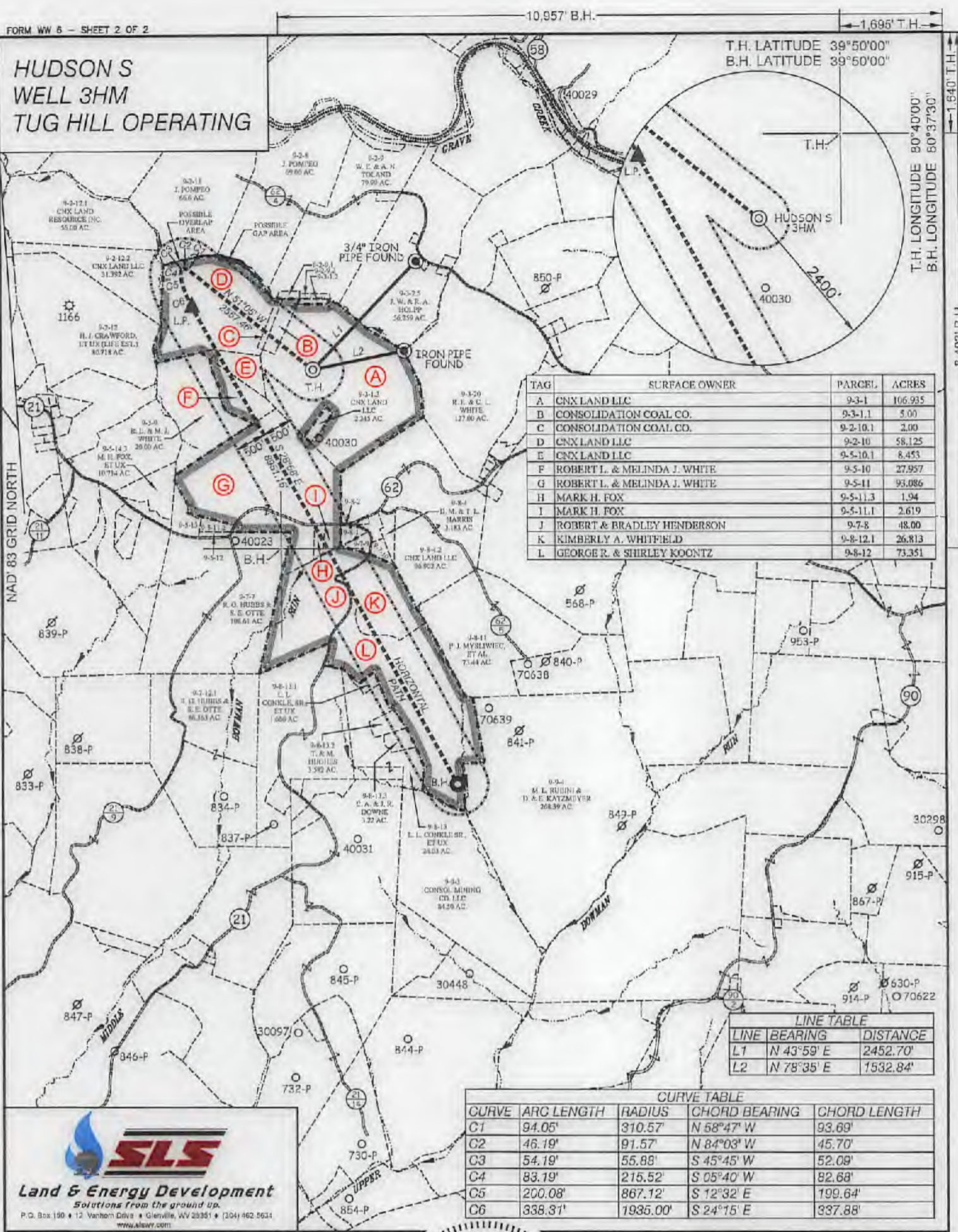


**HUDSON S  
WELL 3HM  
TUG HILL OPERATING**

T.H. LATITUDE 39°50'00"  
B.H. LATITUDE 39°50'00"

T.H. LONGITUDE 80°40'00"  
B.H. LONGITUDE 80°37'30"



TAG	SURFACE OWNER	PARCEL	ACRES
A	CNX LAND LLC	9-3-1	166.935
B	CONSOLIDATION COAL CO.	9-3-1.1	5.00
C	CONSOLIDATION COAL CO.	9-2-10.1	2.00
D	CNX LAND LLC	9-2-10	58.125
E	CNX LAND LLC	9-5-10.1	8.453
F	ROBERT L. & MELINDA J. WHITE	9-5-10	27.957
G	ROBERT L. & MELINDA J. WHITE	9-5-11	93.086
H	MARK H. FOX	9-5-11.3	1.94
I	MARK H. FOX	9-5-11.1	2.619
J	ROBERT & BRADLEY HENDERSON	9-7-8	48.00
K	KIMBERLY A. WHITFIELD	9-8-12.1	26.813
L	GEORGE R. & SHIRLEY KOONTZ	9-8-12	73.351

**LINE TABLE**

LINE	BEARING	DISTANCE
L1	N 43°59' E	2452.70'
L2	N 78°35' E	1532.84'

**CURVE TABLE**

CURVE	ARC LENGTH	RADIUS	CHORD BEARING	CHORD LENGTH
C1	94.05'	310.57'	N 58°47' W	93.69'
C2	46.19'	91.57'	N 84°03' W	45.70'
C3	54.19'	55.88'	S 45°45' W	52.09'
C4	83.19'	215.52'	S 05°40' W	82.68'
C5	200.08'	867.12'	S 12°32' E	199.64'
C6	338.37'	1936.00'	S 24°15' E	337.88'

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(S.P.C. NORTH ZONE) (UTM(M) ZONE 17 NORTH)

NAD'83 S.P.C.(FT)	N. 496,152.16	E. 1,639,160.21
NAD'83 GEO.	LAT-(N) 39.829831	LONG-(W) 80.672702
NAD'83 UTM (M)	N. 4,408,810.65	E. 528,007.72

**LANDING POINT**

NAD'83 S.P.C.(FT)	N. 487,190.2	E. 1,637,181.2
NAD'83 GEO.	LAT-(N) 39.831609	LONG-(W) 80.679797
NAD'83 UTM (M)	N. 4,499,116.8	E. 527,399.5

**BOTTOM HOLE**

NAD'83 S.P.C.(FT)	N. 479,368.6	E. 1,641,515.7
NAD'83 GEO.	LAT-(N) 39.810286	LONG-(W) 80.664002
NAD'83 UTM (M)	N. 4,406,752.9	E. 528,759.9



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.

P.S. 849 *C. Victor Moyers*

SCALE 1" = 2000' FILE NO. 8911P3HM.dwg  
HUDSON S-3HM REV3

DATE JUNE 14, 20 19  
REVISED 20

OPERATORS WELL NO. HUDSON S-3HM

API WELL NO. 47-051-02250

STATE COUNTY PERMIT

STATE OF WEST VIRGINIA  
DIVISION OF ENVIRONMENTAL PROTECTION  
OFFICE OF OIL AND GAS

**LEGEND**

- LEASE LINE
- SURFACE LINE
- WELL LATERAL
- OFFSET LINE
- TIE LINE
- CREEK
- ROAD
- COUNTY ROUTE
- PROPOSED WELL
- EXISTING WELL
- PERMITTED WELL
- TAX MAP-PARCEL
- SURFACE OWNER (SEE TABLE)
- LEASE # (SEE WW-8A1)

00-00 (A)

WELL OPERATOR	TUG HILL OPERATING, LLC	DESIGNATED AGENT	DIANNA STAMPER
ADDRESS	1320 SOUTH UNIVERSITY DRIVE, SUITE 500	ADDRESS	CT CORPORATION SYSTEM
	FORT WORTH, TX. 76107		5400 D BIG TYLER ROAD
			CHARLESTON, WV 25313

COUNTY NAME  
PERMIT

**HUDSON S  
WELL 3HM  
TUG HILL OPERATING**

T.H. LATITUDE 39°50'00"  
B.H. LATITUDE 39°50'00"

T.H. LONGITUDE 80°40'00"  
B.H. LONGITUDE 80°37'30"

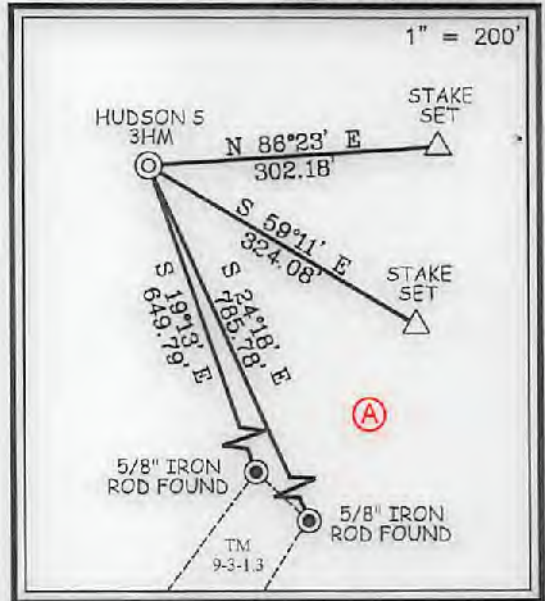
MAP/PARCEL	ADJOINING SURFACE OWNER LIST	ACRES
9-2-9.1	CONSOLIDATION COAL CO.	1.00
9-2-9.2	CONSOLIDATION COAL CO.	1.00
9-3-1.2	CONSOLIDATION COAL CO.	1.00
9-5-11.2	LARRY WHETZEL, JR.	2.355
9-5-12	LARRY WHETZEL, JR.	1.00
9-5-13	SHELLY ANN JORDAN	5.51
9-7-9	CNX LAND CO. LLC	2.00
9-7-10	DONALD M. & THERESA L. HARRIS	3.00
9-8-1	CNX LAND CO. LLC	2.908
9-8-2	CNX LAND CO. LLC	6000 SQ. FT.

(S.P.C. NORTH ZONE) (UTM(M) ZONE 17 NORTH)

NAD'83 S.P.C.(FT)	N. 486,152.16	E. 1,639,160.21
NAD'83 GEO.	LAT-(N) 39.828831	LONG-(W) 80.672702
NAD'83 UTM (M)	N. 4,408,810.65	E. 528,007.72
<b>LANDING POINT</b>		
NAD'83 S.P.C.(FT)	N. 487,190.2	E. 1,637,181.2
NAD'83 GEO.	LAT-(N) 39.831609	LONG-(W) 80.678797
NAD'83 UTM (M)	N. 4,409,116.8	E. 527,389.5
<b>BOTTOM HOLE</b>		
NAD'83 S.P.C.(FT)	N. 479,358.6	E. 1,641,516.7
NAD'83 GEO.	LAT-(N) 39.810266	LONG-(W) 80.664002
NAD'83 UTM (M)	N. 4,406,752.9	E. 528,759.9



**REFERENCES**



I, THE UNDERSIGNED, HEREBY CERTIFY THAT THIS PLAT IS CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF AND SHOWS ALL THE INFORMATION REQUIRED BY LAW AND THE REGULATIONS ISSUED AND PRESCRIBED BY THE DIVISION OF ENVIRONMENTAL PROTECTION.



(+) DENOTES LOCATION OF WELL ON UNITED STATES TOPOGRAPHIC MAPS.  
 DATE JUNE 14, 20 19  
 REVISED \_\_\_\_\_, 20 \_\_\_\_  
 OPERATORS WELL NO. HUDSON S-3HM  
 API WELL NO. 47 - 51 - 02250  
 STATE COUNTY PERMIT

MINIMUM DEGREE OF ACCURACY 1 / 2500 FILE NO. 8911P3HM.dwg  
HUDSON S-3HM REV3  
 HORIZONTAL & VERTICAL CONTROL DETERMINED BY DGPS (SURVEY GRADE TIE TO CORS NETWORK) SCALE 1" = 2000'

STATE OF WEST VIRGINIA  
 DIVISION OF ENVIRONMENTAL PROTECTION  
 OFFICE OF OIL AND GAS

WELL TYPE: OIL  GAS  LIQUID INJECTION  WASTE DISPOSAL  IF "GAS" PRODUCTION  STORAGE  DEEP  SHALLOW

LOCATION: GROUND = 1,370.10' PROPOSED = 1,344.81' WATERSHED GRAVE CREEK (HUC 10)  
 DISTRICT MEADE COUNTY MARSHALL QUADRANGLE GLEN EASTON 7.5

SURFACE OWNER CNX LAND LLC ACREAGE 106.935±  
 ROYALTY OWNER CHARLENE L. BAKER, ET AL ACREAGE 106.935±  
 PROPOSED WORK: LEASE NO. SEE WW-6A1

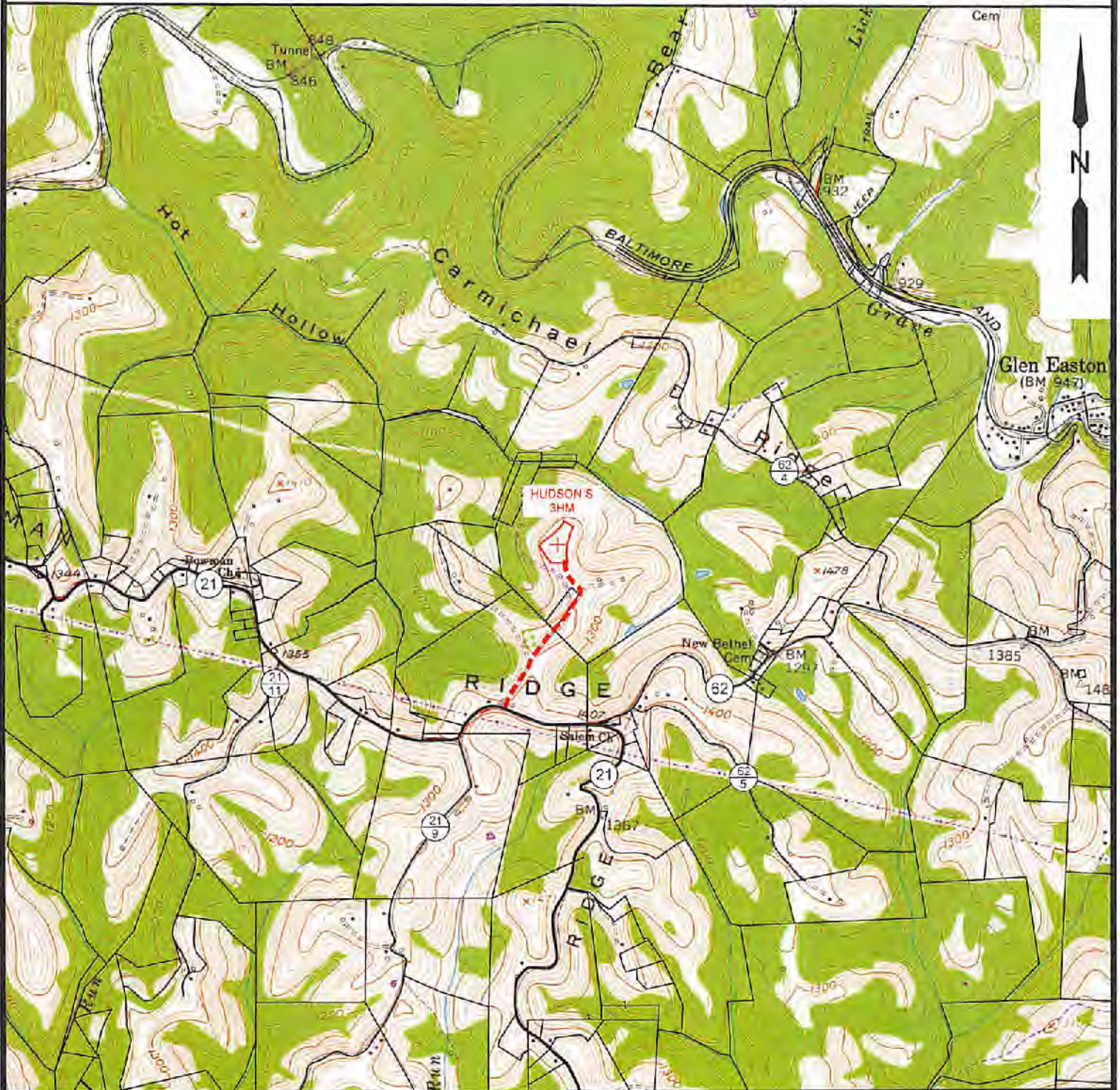
DRILL  CONVERT  DRILL DEEPER  REDRILL  FRACTURE OR STIMULATE  PLUG OFF OLD FORMATION  PERFORATE NEW FORMATION  PLUG AND ABANDON  CLEAN OUT AND REPLUG  OTHER

PHYSICAL CHANGE IN WELL (SPECIFY) \_\_\_\_\_ TARGET FORMATION MARCELLUS  
 ESTIMATED DEPTH TVD: 6,870' / TMD: 16,862'

WELL OPERATOR TUG HILL OPERATING, LLC DESIGNATED AGENT DIANNA STAMPER  
 ADDRESS 1320 SOUTH UNIVERSITY DRIVE, SUITE 500 ADDRESS 5400 D BIG TYLER ROAD  
FORT WORTH, TX 76107 CHARLESTON, WV 25313

COUNTY NAME  
 PERMIT

# PROPOSED HUDSON S - 3HM



NOTE: CLOSEST WATER PURVEYOR  
CITY OF CAMERON - FRANK WALKER RESERVOIR  
CAMDEN, WV

LAT: 39.829865  
LON: -80.573724  
LOCATED: N 89°55'26" E AT 27,779.45' FROM THE CENTER OF HUDSON S WELL PAD LOCATION.

RECEIVED  
Office of Oil and Gas

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www.slsww.com

TOPO SECTION:		OPERATOR:	
GLEN EASTON 7.5'		PREPARED FOR:	
COUNTY	DISTRICT	TUG HILL OPERATING, LLC	
MARSHALL	MEADE	380 SOUTHPOINTE BLVD	
		SUITE 200	
		CANONSBURG, PA. 15317	
DRAWN BY	JOB NO.	DATE	SCALE
K.G.M.	8911	06/14/2019	1" = 200'

JUN 24 2019

**TUG HILL**  
Operating